

DIFFRACTIVE DISPLAY

ABSTRACT OF THE DISCLOSURE

The present invention is directed to an improvement in a diffractive display suitable for presenting graphic and the like displays. Broadly, a novel embodiment is realized from a holographic diffraction pattern carried by a magnet or element
5 and an electrically energizable coil magnetically coupled with said magnet that is energizable for movement of the magnet. Rotation of the holographic diffraction pattern generates a display using the diffracted light from the holographic diffraction grating. Another novel embodiment is realized from a faceted rotatable element (FRE) having an array of facets each bearing a diffraction grating and a
10 source energizable for rotation of the FRE from a resting station to a viewing station. Rotation of the FRE generates a display using the diffracted light from the diffraction gratings.